

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	Attorney Docket No.: AOYAMA0002
)	Confirmation No.: 2997
Keiichiro OISHI)	
)	Group Art Unit: 1742
Serial No.: 10/597,568)	
)	Examiner: Unassigned
Filed: July 31, 2006)	
)	
For: MASTER ALLOY FOR CASTING A)	Date: June 5, 2007
MODIFIED COPPER ALLOY AND)	
CASTING METHOD USING THE)	
SAME)	

INFORMATION DISCLOSURE STATEMENT

MAIL STOP: AMENDMENT

United States Patent and Trademark Office
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, this Information Disclosure Statement in connection with the above-identified application is being filed in accordance with 37 C.F.R. §1.97(b):

- ☐ within three months of the filing date of this application (not a C.P.A.);
 - ☐ within three months of the date of entry of the National Stage;
 - ☒ before the mailing date of a first Office Action on the merits; or
- before the mailing of a first Office Action on the merits of, after the filing of a Request for Continued Examination (RCE) under §1.114.

A copy of each non-U.S. document identified on the attached Forms PTO/SB/08A and PTO/SB/08B is attached, however, in accordance with Official Gazette Notice dated August 5, 2003, copies of the U.S. patents and patent application publications are not attached.

Listed under Non-Patent Literature Documents Cite No. 1 relates to The Deformation and Aging of Mild Steel: III Discussion of Results. Cite No. 2 relates to The Cleavage Strength of Polycrystals. Cite No. 3 relates to Fading of Grain Refinement in Leaded Yellow Brass (C85800) and SeBiLOY III (C89550). Cite No. 4 relates to Grain Refinement of Permanent Mold Cast Copper-Base Alloys. Cite No. 5 relates to Evaluation of Grain Refinement of Leaded Yellow Brass (C85800) and EnviroBrass III (C89550) using Thermal Analysis. Cite No. 6 relates to Effects of Grain Refinement on Hot Tear Resistance and Shrinkage Characteristics of Permanent Mold Cast Yellow Brass (C85800). Cite No. 7 relates to Fading of Grain Refinement in Permanent Mold Cast Copper Alloys. Cite No. 8 relates to A New Grain Refiner for Copper-Zinc Alloys containing 25-42% Zinc. Cite No. 9 relates to Grain Refinement of Copper Base Alloys. Cite No. 10 relates to Grain Refinement of Permanent Mold Cast Silicon Brass. Cite No. 11 relates to Grain Refinement of Sand Cast Bronzes and its Influence on Their Properties. Cite No. 12 relates to Grain Refinement Studies on Leaded and Bi/Se Modified Yellow Brasses. Cite No. 13 relates to An Overview of ICA-Funded Research and Development at MTL/CANMET. Cite No. 14 relates to Effect of grain refinement by zirconium on the morphology of solidification, the feeding capacity and mechanical properties of brass CuZn30 and silicon brass CuZn15S14. Cite No. 15 relates to Investigation of grain refinement of tin bronzes by zirconium and/or boron and iron as well as of its effect on mechanical properties. Cite No. 16 relates to Study of the


combination of cast grain refinement and filtered process on brasses. Cite no. 17 relates to Kornfeinung von Aluminium-, Blei-, Zinn-, Kupfer-und Nickellegierungen-ein Überblick. Cite No. 18 relates to Kornfeinung von Kupferlegierungen. Cite No. 19 relates to Kornfeinung von Kupfer-Sandgußlegierungen und ihr Einfluß auf die Güteeigenschaften. Their relevance is believed to be clear from the present specification. Accordingly, no further comment with regard to the disclosures of these documents is believed to be required.

It is respectfully requested that the attached documents be considered and officially cited, and that the Examiner initial a copy of Forms PTO/SB/08A and PTO/SB/08B, and return them to the undersigned to indicate that the documents have been considered.

It is believed that the present Information Disclosure Statement complies with the requirements of 37 C.F.R. §§ 1.97-8, but should the filing of this paper necessitate a fee, the Director is hereby authorized to charge the necessary fee to Deposit Account No. 50-1281.

Respectfully submitted,

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